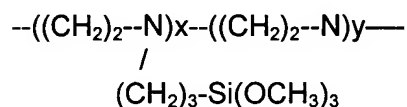


Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

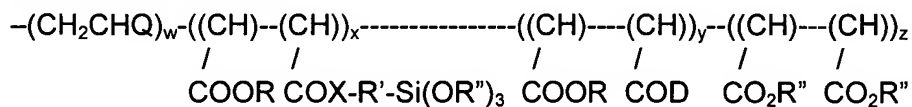
Listing of Claims:

Claim 1 (cancel): A polymer for the reduction of aluminosilicate containing scale according to the formula:



where $x = 0.5\text{--}20\%$, $y = 99.5\text{--}80\%$.

Claim 2 (cancel): A polymer for the reduction of aluminosilicate containing scale according to formula:

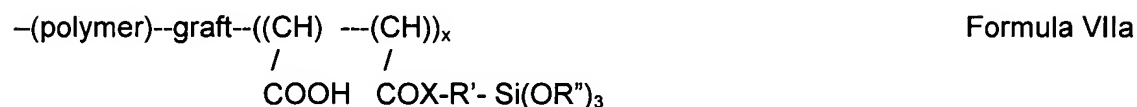


where

$w = 1\text{--}99.9\%$, $x = 0.1\text{--}50\%$, $y = 0\text{--}50\%$, $z = 0\text{--}50\%$; and

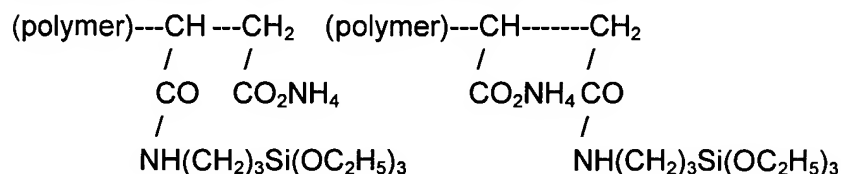
Q = C1-C10 alkyl, aryl, amide, acrylate,
ether, COXR where X=O or NH and R=H, C1-C10
alkyl or aryl, or any other substituent;
R = H, Na, K, NH₄;
X = NH, NR'' or O;
R' = C1-C10 alkyl, or aryl;
R'' = H, C1-C3 alkyl, aryl, Na, K or NH₄; and
D= NR''₂ or OR'', with the proviso that all R and
R'' groups do not have to be the same.

Claim 6 (cancel): A polymer for use in the reduction of aluminosilicate containing scale, wherein the polymer is a graft copolymer of formula a or formula b:

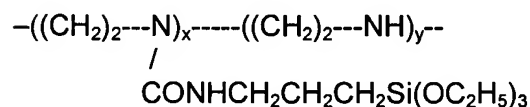


where $x = 0.1 - 99\%$ (as percentage of monomer units in the polymer) and
 $X = \text{NH}, \text{NR}' \text{ or } \text{O};$
 $\text{R}' = \text{C1-C10 alkyl, or aryl and}$
 $\text{R}'' = \text{H, C1-C3 alkyl, aryl, Na, K or NH}_4.$

Claim 7 (cancel): The polymer for use in the reduction of aluminosilicate containing scale according to claim 6 according to the formula:



Claim 8 (new): A polymer for use in the reduction of aluminosilicate containing scale according to the formula:

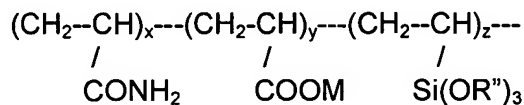


where $x = 0.5\text{-}20\%$, $y = 99.5\text{-}80\%$.

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$$\begin{array}{ccccccc} \text{---(CH}_2\text{CHQ)}_w\text{---((CH)(CH))}_x\text{---((CH)-----}(CH)_y\text{---((CH)(CH))}_z \\ | & | & | & | & | & | & | \\ \text{CO} & \text{CO}_2\text{NH}_4 & \text{CO}_2\text{NH}_4 & \text{CO}_2\text{NH}_4 & \text{CO} & \text{CO}_2\text{NH}_4 & \\ | & & & & | & & \\ \text{NH(CH}_2\text{)}_3\text{Si(OC}_2\text{H}_5\text{)}_3 & & & & \text{N(C}_2\text{H}_5\text{)}_2 & & \end{array}$$

Claim 10 (new): A polymer for use in the reduction of aluminosilicate containing scale according to the formula:



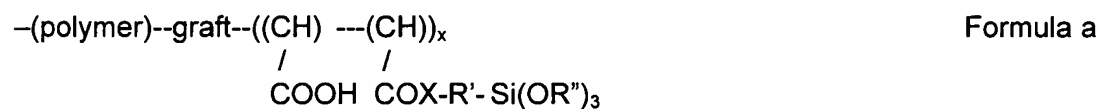
x= 1-99%, y=1-99% , z=0.5-20% and
M = Na, K, NH₄; and
Rⁿ = H, C1-C3 alkyl, aryl, Na, K or NH₄.

$$\begin{array}{ccccc} (\text{CH}_2\text{---CH})_x & \text{---} & (\text{CH}_2\text{---CH})_y & \text{---} & (\text{CH}_2\text{---CH})_z & \text{---} \\ | & & | & & | & \\ \text{CONH}_2 & & \text{COONa} & & \text{Si(OH)}_3 & \end{array}$$

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Claim 12 (new): A polymer for use in the reduction of aluminosilicate containing scale, wherein the polymer is a graft copolymer of Formula a or Formula b:



where $x = 0.1 - 99\%$ (as percentage of monomer units in the polymer) and
 $X = \text{NH}, \text{NR}' \text{ or } \text{O};$
 $\text{R}' = \text{C1-C10 alkyl, or aryl and}$
 $\text{R}'' = \text{H, C1-C3 alkyl, aryl, Na, K or NH}_4.$

Claim 13 (new): The polymer in accordance with claim 12 according to the formula:

